(54) Title: A SYSTEM, ARRANGEMENT AND A METHOD FOR HANDLING CONNECTION OF A MOBILE STATION MOVING IN COMMUNICATIONS SYSTEMS SUPPORTING COMMUNICATION OF DATA
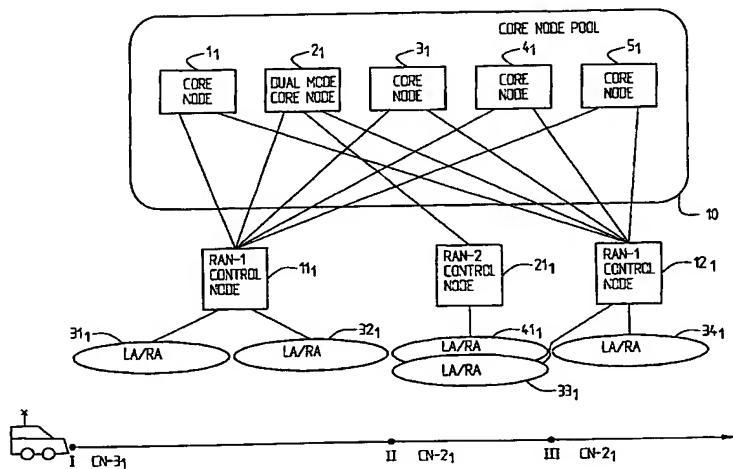
(57) Abstract: The present invention relates to a communications system supporting communication of data, a method and nodes therein, which comprises a number of core networks with a plurality of core network functional server nodes (core nodes) (SGSN;MSC...) and a number of radio access networks, each with a number of radio access network control nodes (RNC, BSC). At least some of the core nodes are arranged in a pool to, in common, control at least a number of control nodes supporting pooling of core nodes. For a transition of a connection of a mobile station (MS) from a first control node not supporting pooling of core nodes, but served by a first core node belonging to a pool, to a second control node supporting pooling of core nodes, means are provided for enabling the mobile station to remain connected to said first core node forming part of the pool.